

DECLARATION

INVENTORSHIP IDENTIFICATION

COPY

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

256 MEG DYNAMIC RANDOM ACCESS MEMORY

SPECIFICATION IDENTIFICATION

the specification of which:

- (a) ☐ is attached hereto.
- (b) ☒ was filed on August 22, 1997, as ☒ Serial No. 08/916,692
☐ and was amended on (if applicable).
- (c) ☐ was described and claimed in PCT International Application No. filed on
☐ and was amended on (if applicable).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56.



PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

(Prior Foreign/Pct Application(S) Filed Within 12 Months

(6 Months For Design) Prior To This Application)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate(s) or 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, listed below and have also identified below any foreign application(s) for patent or inventor's certificate(s) or any PCT international application(s) having a filing date before that of the application(s) of which priority is claimed.

Application Number	Country or PCT	Date Of Filing (Day, Month, Year)	Priority not Claimed	Certified Copy Attached?
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			<input type="checkbox"/>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
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CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date
60/050,929	May 30, 1997

CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120

(All Foreign Application(S), If Any, Filed More Than 12 Months
(6 Months For Design) Prior To This U.S. Application)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or 365(c) PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application.

U.S Parent Application No.	PCT Parent Application No.	Date Of Filing (Day, Month, Year)	Parent Patent No. (if applicable)

DECLARATION

I hereby declare that my presentation of this paper constitutes a certification under 37 C.F.R § 10.18, which provides, in part, that all statements made herein of my own knowledge are true and that all statements made in information and belief are believed to be true; and that further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application and any patent issuing therefrom.

SIGNATURE(S)

Inventor(s)

<u>Brent</u> (GIVEN NAME)	<u>(MIDDLE INITIAL OR NAME)</u>	<u>Keeth</u> FAMILY (OR LAST NAME)
Inventor's signature	<u>Brent Keeth</u>	
Date	<u>3/16/98</u>	Country of Citizenship <u>USA</u>
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<u>Layne</u> (GIVEN NAME)	<u>G.</u> (MIDDLE INITIAL OR NAME)	<u>Bunker</u> FAMILY (OR LAST NAME)
Inventor's signature	<u>Layne G. Bunker</u>	
Date	<u>3/24/98</u>	Country of Citizenship <u>USA</u>
Residence	<u>Boise, ID 83708</u>	
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<u>Scott</u> (GIVEN NAME)	<u>J.</u> (MIDDLE INITIAL OR NAME)	<u>Demer</u> FAMILY (OR LAST NAME)
Inventor's signature	<u>Scott J. Demer</u>	
Date	<u>4/1/98</u>	Country of Citizenship <u>USA</u>
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<u>Ronald</u> (GIVEN NAME)	<u>L.</u> (MIDDLE INITIAL OR NAME)	<u>Taylor</u> FAMILY (OR LAST NAME)
Inventor's signature	<u>Ronald L. Taylor</u>	
Date	<u>4/6/98</u>	Country of Citizenship <u>USA</u>
Residence	<u>Meridian, ID 83642</u>	

DOCKET NO. _____

PATENT

Post Office Address: 3137 Springwood Drive, Meridian, ID 83642

John S. Mullin
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature *John S Mullin*

Date 4/8/98 Country of Citizenship USA

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Post Office Address: 3301 Rose Hill Street, Boise, ID 83705

Raymond J. Beffa
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature *Raymond J Beffa*

Date 4/1/98 Country of Citizenship USA

Residence Boise, ID 83713

Post Office Address: 11966 Goldenrod Drive, Boise, ID 83713

Frank F. Ross
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature *Frank F Ross*

Date 4/21/98 Country of Citizenship USA

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Post Office Address: 2004 N. 10th Street, Boise, ID 83702

Larry D. Kinsman
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature *Larry D. Kinsman*

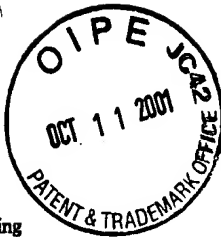
Date 4/15/98 Country of Citizenship USA

Residence Boise, ID 83706

Post Office Address: HC 33, Box 2481, Boise, ID 83706

- ☐ Signature by administrator(trix), or legal representative for deceased or incapacitated inventor. *Number of pages added* _____.
 - ☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. *Number of pages added* _____.
 - ☐ Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47) *Number of pages added* _____.
 - ☐ Authorization of attorney(s) to accept and follow instructions from representative.
- ☒ This declaration ends with this page.

EXPRESS MAIL MAILING LABEL
NUMBER: E1859862886US
DATE OF DEPOSIT: August 22, 2001



COPY

I hereby certify that this paper or fee is being
Deposited with the United States Postal Service
Under 37 C.F.R. 1.10 on the date indicated above
And is addressed to the Assistant Commissioner for
Patents, Washington, DC 20231

THORP REED AND ARMSTRONG, LLP
One Oxford Centre
301 Grant Street, 14th Floor
Pittsburgh, PA 15219-1425

PATENT
Attorney Docket No.: DB000575-023

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Keeth, et al.)	
)	Examiner: Not yet assigned
Serial No.:	Not yet assigned)	
)	Art Unit: Not yet assigned
Filed:	22 August 2001)	
Entitled:	256 MEG DYNAMIC RANDOM ACCESS MEMORY		

PRELIMINARY AMENDMENT

Preliminary to the examination of the above-identified application filed herewith,
please amend that application as follows.

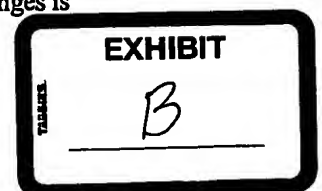
In the Specification

Page 1, line 2, after the title, insert -- This Application is a divisional application of
U. S. Application Serial No. 09/621,560 filed July 21, 2000, which is a divisional application
of U.S. Application Serial No. 08/916,692 filed August 22, 1997.—

Page 52, last full paragraph, please amend as follows:

Reference is hereby made to an appendix which contains [nine microfiche having a
total of fifty-two frames] eleven microfiche having a total of sixty-six frames. The appendix
contains [33] 44 drawings which illustrate substantially the same information as is shown in
FIGs. 1-113, but in a more connected format.

A replacement page 52 is enclosed; a copy of page 52 marked to show the changes is
also enclosed.



In the claims

Please cancel claims 1-173.

STATEMENT REQUESTING DELETION OF INVENTORS

The declaration that is being filed with the instant application is a copy of the declaration that was filed with U.S. Application Serial No. 08/916,692 filed August 22, 1997. As a result of the restriction requirement in U.S. Application Serial No. 08/916,692, the following inventors named in the grandparent application are not inventors of the invention claimed in the instant divisional application:

Raymond J. Beffa
Frank K. Ross
Larry D. Kinsman
Ronald L. Taylor
John S. Mullin

Please file the instant application in the names of the remaining inventors (Keeth, Bunker and Derner) in accordance with 37 CFR 1.63 (d).

CHANGE OF ADDRESS

Please note that the undersigned attorney's address has changed since the parent application was filed and that the undersigned attorney's address is correctly noted on form PTO/SB/05 filed herewith, and is correctly noted below.

It is respectfully requested that the instant application, covering claims 174-175, receive an early office action on the merits.

Respectfully submitted



Edward L. Pencoske
Reg. No. 29,688
Thorp Reed & Armstrong, LLP
One Oxford Centre
301 Grant Street, 14th Floor
Pittsburgh, PA 15219-1425
(412) 394-7789

Attorneys for Applicants

Dated: 22 August 2001

COPY

The dating stamp of the USPTO on this card will be taken as an indication that the accompanying paper(s) was filed.

Applicant(s) Keeth et al.
Title 256 MEG DYNAMIC RANDOM
ACCESS MEMORY
Pages of Spec. 232 No. of Claim 2
Sheets of Drawings 367
Declaration X Verified Stmt. --
Amt. of Check \$710.00
Atty's File No. DB000575-023

ELP/CFO/mk

JC973 U.S. PTO

09/934795



08/22/01

22 August 2001

DOCKETED
AUG 31 2001

*PTO/SB/05
*PTO/SB/17 x2
*Information Disclosure Statement (PTO/SB/08A, 1 pg. and PTO/SB/08B, 2 pgs.)
*copies of cited references
*Preliminary Amendment including Deletion of Inventors
*Microfiche Appendix
*copy of Preliminary Amendment from Parent case

EXHIBIT

C

COPY

Please type a plus sign (+) inside this box → ☒

PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	DB000575-023
First Inventor	Keeth et al.
Title	256 MEG DYNAMIC RANDOM ACCESS MEMORY
Express Mail Label No.	EI859862886US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification (Total Pages **232**)
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **367**]
5. Oath or Declaration [Total Pages **5**]
 - a. ☐ Newly executed (original or copy)
 - b. ☒ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. ☒ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Microfiche Appendix A copy of Preliminary Amendment from parent case

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP)

Prior application information:

Examiner **K. Wells**

of prior application No. **09** , **621,560**

Group Art Unit: **2,816**


For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

or ☒ Correspondence address

Name	Edward L. Pencoske				
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Country	United States	Telephone	(412) 394-7789	Fax	(412) 394-2555

Name (Print/Type)	Edward L. Pencoske	Registration No. (Attorney/Agent)	29,688
Signature		Date	22 August 2001

EXHIBIT

D

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Assistant Commissioner for Patents, Box Patent Application